



TABLE 302.2.4(2)
PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS, TYPE A-1 RESIDENTIAL BUILDINGS
WINDOW AREA 12 PERCENT OF GROSS EXTERIOR WALL AREA

HEATING DEGREE DAYS	MAXIMUM		MINIMUM						
	Glazing U-factor	Ceiling R-value	Exterior wall R-value	Floor R-value	Basement wall R-value	Slab perimeter R-value and depth	Crawl space wall R-value		
0-449	any	R-13	R-11	R-11	R-0	R-0	R-0	R-0	R-0
500-999	any	R-19	R-11	R-11	R-0	R-0	R-0	R-0	R-4
1,000-1,499	0.75	R-19	R-11	R-11	R-0	R-0	R-0	R-0	R-5
1,500-1,999	0.75	R-19	R-11	R-11	R-4	R-0	R-0	R-0	R-5
2,000-2,499	0.65	R-19	R-13	R-11	R-5	R-0	R-0	R-0	R-5
2,500-2,999	0.60	R-26	R-13	R-13	R-5	R-0	R-0	R-0	R-5
3,000-3,499	0.60	R-30	R-13	R-15	R-6	R-0	R-0	R-0	R-6
3,500-3,999	0.60	R-30	R-13	R-19	R-8	R-4, 2 ft.	R-4, 2 ft.	R-4, 2 ft.	R-10
4,000-4,499	0.55	R-38	R-13	R-19	R-9	R-4, 2 ft.	R-4, 2 ft.	R-4, 2 ft.	R-12
4,500-4,999	0.50	R-38	R-14	R-19	R-9	R-5, 2 ft.	R-5, 2 ft.	R-5, 2 ft.	R-16
5,000-5,499	0.45	R-38	R-16	R-19	R-9	R-6, 2 ft.	R-6, 2 ft.	R-6, 2 ft.	R-16
5,500-5,999	0.45	R-38	R-17	R-19	R-9	R-6, 2 ft.	R-6, 2 ft.	R-6, 2 ft.	R-16
6,000-6,499	0.40	R-38	R-18	R-19	R-10	R-6, 4 ft.	R-6, 4 ft.	R-6, 4 ft.	R-16
6,500-6,999	0.40	R-49	R-21	R-19	R-10	R-7, 4 ft.	R-7, 4 ft.	R-7, 4 ft.	R-17
7,000-8,499	0.40	R-49	R-21	R-19	R-10	R-9, 4 ft.	R-9, 4 ft.	R-9, 4 ft.	R-17
8,500-8,999	0.40	R-49	R-21	R-19	R-16	R-9, 4 ft.	R-9, 4 ft.	R-9, 4 ft.	R-17
9,000-12,999	0.40	R-49	R-21	R-19	R-16	R-11, 4 ft.	R-11, 4 ft.	R-11, 4 ft.	R-17

For SI: 1 foot = 304.8 mm.

FIGURE 7A

TABLE 502.2.4(3)
PRESCRIPTIVE BUILDING ENVELOPE REQUIREMENTS, TYPE A-1 RESIDENTIAL BUILDINGS
WINDOW AREA IS PERCENT OF GROSS EXTERIOR WALL AREA

HEATING DEGREE DAYS	MAXIMUM		MINIMUM				
	Glazing U-factor	Ceiling R-value	Exterior wall R-value	Floor R-value	Basement wall R-value	Slab perimeter R-value and depth	Crawl spaces wall R-value
0-499	any	R-13	R-11	R-11	R-0	R-0	R-0
500-999	0.90	R-19	R-11	R-11	R-0	R-0	R-4
1,000-1,499	0.75	R-19	R-11	R-11	R-0	R-0	R-5
1,500-1,999	0.75	R-26	R-13	R-11	R-5	R-0	R-5
2,000-2,499	0.65	R-30	R-13	R-11	R-5	R-0	R-6
2,500-2,999	0.60	R-30	R-13	R-19	R-6	R-4, 2 ft.	R-7
3,000-3,499	0.55	R-30	R-13	R-19	R-7	R-4, 2 ft.	R-8
3,500-3,999	0.50	R-30	R-13	R-19	R-8	R-5, 2 ft.	R-10
4,000-4,499	0.45	R-38	R-13	R-19	R-8	R-5, 2 ft.	R-11
4,500-4,999	0.45	R-38	R-16	R-19	R-9	R-6, 2 ft.	R-17
5,000-5,499	0.45	R-38	R-18	R-19	R-9	R-6, 2 ft.	R-17
5,500-5,999	0.40	R-38	R-18	R-21	R-10	R-9, 2 ft.	R-19
6,000-6,499	0.35	R-38	R-18	R-21	R-10	R-9, 4 ft.	R-20
6,500-6,999	0.35	R-49	R-21	R-21	R-11	R-11, 4 ft.	R-20
7,000-8,499	0.35	R-49	R-21	R-21	R-11	R-13, 4 ft.	R-20
8,500-8,999	0.35	R-49	R-21	R-21	R-18	R-14, 4 ft.	R-20
9,000-12,999	0.35	R-49	R-21	R-21	R-19	R-18, 4 ft.	R-20

For SI: 1 foot = 304.8 mm.

FIGURE 7B

